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PATENTS

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Krivitski, Nikolai M. Atty. Docket: 86017.000010  
Serial No.: 09/419,849 Examiner: C. Dickens  
Filed: October 19, 1999 Art Unit: 2855  
Title: METHOD AND APPARATUS TO MEASURE BLOOD FLOW BY AN  
INTRODUCED VOLUME CHANGE

AMENDMENT

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Commissioner of Patents and Trademarks  
Washington, D.C. 20231

APR 1 - 2002

TECHNOLOGY CENTER 2800

Sir:

In response to the Office Action mailed October 1, 2001, please consider the application amended as follows:

In the Claims:

- See A' 7*  
*B1*
1. (Once Amended) A method for determining an initial flow rate of a liquid in a conduit, comprising:
    - (a) introducing a discrete known volume over a known time to the initial flow rate;
    - (b) sensing a corresponding resulting change in the flow in the conduit; and
    - (c) determining the initial flow rate in response to the introduced known volume, the known time and the sensed resulting change.
  2. (Once Amended) The method of Claim 1, wherein introducing the discrete known volume over the known time includes injecting or withdrawing the discrete volume from the conduit.
  3. The method of Claim 1, further comprising employing one of a flow characteristic sensor and a liquid characteristic sensor.